

Title (en)  
PROSTHETIC SOCKET SYSTEM

Title (de)  
PROTHESENSCHAFTSYSTEM

Title (fr)  
SYSTÈME D'EMBOÎTURE DE PROTHÈSE

Publication  
**EP 3107504 B1 20180214 (EN)**

Application  
**EP 15707244 A 20150223**

Priority  
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Abstract (en)  
[origin: WO2015127337A1] A prosthetic socket system (100) includes a socket (102) having an inner surface (108) defining a socket cavity (106). A liner (112) is adapted to receive a residual limb and be removably positioned within the socket cavity (106). A substantially sealed volume (142) is defined between at least a portion of an outer surface (115) of the liner (112) and a corresponding portion of the inner surface (108) of the socket (102). A wicking material (128) is positionable in the substantially sealed volume (142) that carries at least one cooling fluid (136). The at least one cooling fluid (136) is adapted to selectively boil within the substantially sealed volume (142) such that heat from the residual limb is converted into latent heat of vaporization by the at least one cooling fluid (136) for a cooling effect.

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